



The Investigation of Slaughter House about the Welfare of Pig and Broiler in Korea (Advanced Studies on Sustainable Animal Production: Interrelationships among Human, Animal and Environment, 8th International Symposium of Integrated Field Science)

著者	LEE Hwang
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Hwang LEE

Ministry for Food, Agriculture, Forestry and Fisheries, Korea

The importance of animal welfare becomes conspicuous and now it is one of big global issues. The OIE established the animal welfare standard for transport, slaughter and killing and nowadays put their effort to make the standard for livestock production system. To cope with the global animal welfare trend, Korean government persevere efforts but the lack of field investigation and scientific background is one of difficult point. This investigation was carried out to know the actuality of animal welfare in slaughterhouse. The 23 pig slaughterhouses and 11 broiler slaughterhouses that were chosen by size and location and the vehicles that were used to transport pigs and broilers were investigated. The average distance from farm and slaughterhouse is 71.2km(pig) and 106.5km(broiler), and stocking density is 0.37 m²/head(pig) and 167cm²/ kg(broiler), respectively. Most pig slaughterhouse used electric goads and prods at the race way to the electric stunner. The proportion of pigs that was estimated as 'regained consciousness' after stunning is 12.3%(electric stunning) and 1.7%(CO₂ stunning). The electric voltage, current and time duration for stunning of broilers are 40~70V, 80~200mA, 6.6~10 sec. respectively. The average percentage of broilers that was estimated as regained consciousness is 8.9%(1.1%~16.5%). These results are not good when compared with animal welfare leader countries but it is meaningful because it is the first synthetic investigation of animal welfare in slaughterhouse of Korea.